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08/786,533

1645 Box/Seq

CERTIFICATE OF MAILING

I hereby certify that on 10-9-01, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage in an envelope addressed to: Commissioner for Patents, Washington, DC 20231.

37 C.F.R. § 1.8(a) 37 C.F.R. § 1.10
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[Signature]
Allison Wright

PATENT

Applicant: **Marcus A. Horwitz et. al.**

Serial No.: **08/786,533**

Filed: **January 21, 1997**

Title: **ABUNDANT EXTRACELLULAR
PRODUCTS & METHODS FOR
THEIR PRODUCTION & USE**

Examiner: **A. Caputa**

Group Art Unit: **1645**

Atty Docket No.: **510030-143**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Submission of "Sequence Listing" and Computer Readable Copy for Biotechnology Invention
Containing Nucleotide and/or Amino Acid Sequence (37 CFR §§ 1.821 - 1.825)**

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Commissioner for Patents
Washington, D.C. 20231

OCT 17 2001

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Sir:

In compliance with 37 CFR §§ 1.821-1.825, and in response to the Office Action mailed September 14, 2001, Applicants enclose a paper copy of the Sequence listing for the nucleotide and amino acid sequences disclosed in the above-identified application. A copy of the Sequence Listing in computer readable form is also submitted herewith.

**Statement That Computer Readable Copy
of Sequence Listing is the Same as
the Paper Copy of the Sequence Listing**

I hereby state:

1. The computer readable form of the Sequence Listing submitted in this application is the same as the paper copy of the "Sequence Listing" to which it is indicated to relate.
2. No new matter has been added to the computer readable copy or the paper copy of this Sequence Listing.



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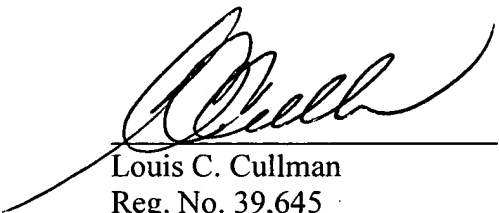
Serial No. 09/786,533
SUBMISSION OF SEQUENCE LISTING
Page 2

Verification

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-identified patent application and any patent issuing thereon.

Respectfully submitted,

October 9, 2001


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NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

08/786,533

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):



☐ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).



☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☐ 7.

Other: _____

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Applicant must provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.